BiPAC 2073N

Wireless-N HomePlug AV 200 Wall Plug Ethernet Adapter

BiPAC P106N

Wireless-N HomePlug AV 200 Ethernet Starter Kit
(includes 1 x BiPAC 2073N and 1 x BiPAC 2073 *R2*)

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Create an extended in-home network through 802.11n WDS technology

Compliant with the latest HomePlug AV standards, which support data speeds up to 200Mbps, the BiPAC 2073N can bridge Ethernet devices such as modems, routers, PCs, set-top-boxes, and game consoles, and allow users to share network via existing in-home power lines. With built in extra 802.11n Access Point, users can enjoy mobility, high-speed wireless connection and better coverage through WDS technology. Advanced noise filtering design provides no interference to your multimedia home entertainment. The Wi-Fi Protected Setup (WPS) button gives you options to easily set up a secure wireless network.

No hassle to set up an in-home network

No installation of expensive Ethernet cables and drilling throughout your house in order to setup your home network. The BiPAC 2073N uses the electrical wires from the outlets in the house. To start networking, just press “Sync” button to install the bridge utility and your high-speed network is ready.

Mobility and better coverage

With an integrated 802.11n Wireless Access Point, the adapter can bridge wireless connections of up to 6 times the speed and 3 times the coverage of an 802.11b / g network devices. It supports a data rates up to 300Mbps and is also compatible with 802.11b/g equipments. The WDS technology can extend your wireless coverage so the family anywhere in the house or your neighbor may share the same network without any visible wires.

Immunity from noise and intervention

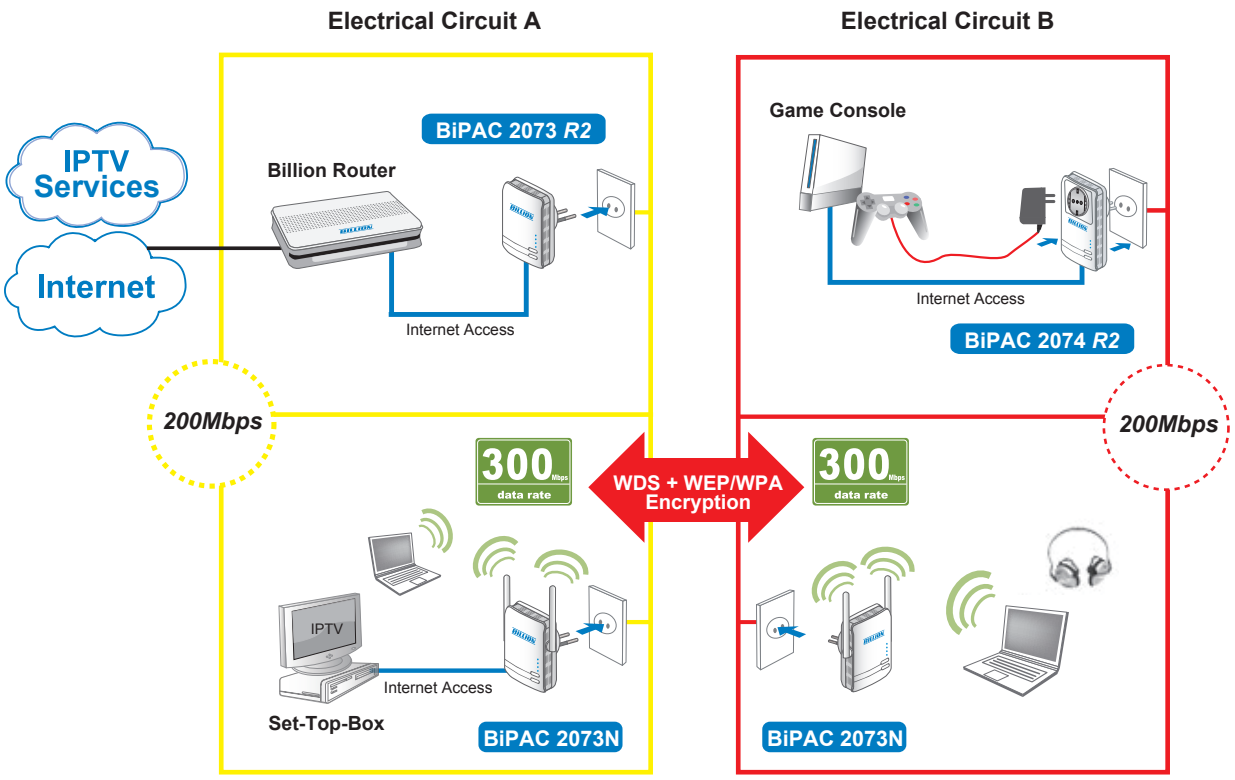
Unlike others, the device supports superior and noise-immune data transmission over in-home electrical power lines. Even at the moment your family turns on an electronic device or turns off a light, you won’t experience any interruption to latency-sensitive applications such as multimedia or video being shared with your family in another room.

Smooth traffic and prioritization

Quality of Service Control guarantees the transmission quality by automatically prioritizing data. The BiPAC 2073N automatically recognizes the bandwidth requirements from voice and video applications. TV and video images are received and displayed smoothly in high quality. QoS also guarantees a clear and instant transmission of voice data, even when other applications are running on the network at the same time.

- Provides physical layer data rate of up to 200Mbps over existing in-home power lines
- Extends wireless coverage up to 3 times the range of 802.11b / g products
- WDS for wireless network expansion
- WPS (Wi-Fi Protected Setup) for easy setup
- Auto channel select
- Utilizes power line technology that takes advantage of the unused bandwidth of the electrical wires in your home
- Utilizes Quality of Service control
- Supports Triple Play applications such as IPTV, VoIP and high-speed Internet access
- Supports 10 / 100 BaseT Ethernet
- Compliant with the HomePlug Powerline Alliance industry specifications
- Ideal for residential users

Powering communications with Security



Two neighborhoods can share the Internet services by setting BiPAC 2073N in Repeater mode.

Features & Specifications

Protocols
• TDMA, CSMA/CA

Standards
• Ethernet specifications: IEEE 802.3, IEEE 802.3x, IEEE 802.3u, Auto MDI/MDIX
• HomePlug AV compliant

Transmission Rate
• Up to 200Mbps over power line

Modulation
• Supports OFDM
 - 1155 carriers, 1024/256/64/16/8 QAM, QPSK, BPSK and ROBO

Frequency Range
• 2MHz ~ 30MHz

Security
• 128-bit AES Link Encryption with key management for secure power line communications
• Encryption:
 - NMK (Network Membership Key) used to authenticate/access
• Rotating NEK (Network Encryption Key)

Supported Operating Systems
• Windows 98/98SE/Me/2000/XP/Vista/7
• Other 10/100 Base-T Ethernet devices

Quality of Service Control
• Enhancements: contention-free access, four-level priority based contention access, and multi segment bursting
• ToS, CoS and IP Port Number Packet Classifiers
• Supports IGMP managed multicast sessions
• IGMP snooping with multicast to multiple unicast support in CSMA
• QoS classification for quasi-error-free delivery
 - VLAN priority field, ToS Field
• Enhanced IPv4/IGMPv1-3 snooping support
• Supports IPv6 and MLDv1-2 snooping

Wireless LAN
• Compliant with IEEE 802.11n, 802.11g and 802.11b standards
• 2.4 GHz–2.484 GHz frequency range
• Auto channel select
• Up to 300Mbps wireless operation rate
• WPS (Wi-Fi Protected Setup) for easy setup
• 64/128 bits WEP supported for encryption
• Wireless Security with WPA-PSK/ WPA2-PSK support
• WDS mode:
 - Lazy
 - Bridge
 - Repeater

Hardware Specifications
Physical Interface
• AC power plug
• 2 fixed antennas
• WPS button
• Sync button
• Reset button
• 1 RJ-45 Ethernet port
• LED display:
 - WLAN
 - POWER
 - PLC
 - ETH

Physical Specifications
• Dimensions (W, D, H):
 4.42" x 3.05" x 2.12"
 (112.4mm x 77.4mm x 53mm)

Operating Environment
• Operating temperature: 0 ~ 40 °C
• Storage temperature: -20 ~ 70 °C
• Humidity: 20 ~ 95% non-condensing

Available Product Package
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 - includes 1 x BiPAC 2073N and 1 x BiPAC 2073 *R2*

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